

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	((("6,583,989") or ("6,574,100") or ("6,477,055")).PN.	USPAT	OR	OFF	2005/08/16 15:50
S2	620	361/699 and modul\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:12
S3	659	361/699 and fan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:30
S4	396	S3 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:29
S5	1	"6023415".PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:21
S6	1	"6111748".PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:21
S7	1	"6215660".PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:22
S8	1	"6229700".PN.	USPAT; USOCR	OR	OFF	2005/08/16 14:22
S9	8	((("5,285,347") or ("5,323,847") or ("5,144,531") or ("6,111,749") or ("5,963,425") or ("6,213,194") or ("5,365,749") or ("6,422,304") or ("5,261,243")).PN.	USPAT	OR	OFF	2005/08/16 14:29
S10	14	361/699 and 1U	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:35
S11	34	361/699 and 361/796	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:37
S12	399	361/689 and fan	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:42

## EAST Search History

S13	311	S12 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:38
S14	228	S13 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:38
S15	457	361/687 and fan and liquid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:07
S16	395	S15 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:43
S17	293	S16 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:43
S18	271	S17 not S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 14:51
S19	3	((("6,776,221") or ("6.313,990") or ("6,657,121") or ("5,528,454"))).PN.	USPAT	OR	OFF	2005/08/16 14:51
S20	4	((("6,776,221") or ("6.313,990") or ("6,657,121") or ("5,528,454"))).PN.	USPAT	OR	OFF	2005/08/16 14:52
S21	1	("20040107718").PN.	US-PGPUB	OR	OFF	2005/08/16 14:53
S22	213	361/687 and fan and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:07
S23	188	S22 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:07

## EAST Search History

S24	128	S23 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:08
S25	115	S24 not S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:08
S26	47	S25 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:08
S27	99	361/698 and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:11
S28	55	S27 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:11
S29	22	S28 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:11
S30	215	361/699 and (cold or cool\$4) adj plate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:12
S31	62	S30 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:12
S32	31	S31 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:14
S33	248	174/15.1 and 174/16.1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:21

## EAST Search History

S34	201	S33 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:14
S35	165	S34 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:15
S36	145	S35 not S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:15
S37	141	S36 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:18
S38	79	"5285347"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/16 15:19
S39	45	174/15.1 and fan and ((cold or cool\$4) adj plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:23
S40	14	S39 not S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:23
S41	111	165/80.4 and fan and ((cold or cool\$4) adj plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:28
S42	47	S41 not S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:24
S45	39	S42 not S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:25

## EAST Search History

S46	246	165/80.4 and fan and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:33
S47	183	S46 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:29
S48	139	S47 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:29
S49	79	S48 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:29
S50	57	S49 not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:30
S51	261	62/259.2 and fan and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:34
S52	225	S51 not S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:34
S53	167	S52 not S3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:35
S54	152	S53 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:35
S55	149	S54 not S33	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:35

## EAST Search History

S56	132	S55 not S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:40
S57	9	361/695 and iU	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/16 15:43
S58	2	((("6288897") or ("5793608"))).PN.	USPAT	OR	OFF	2005/08/16 15:43
S59	4	((("20020126449") or ("6115250") or ("6504718") or ("6011689"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/16 15:52
S60	25	(US-20020117291-\$ or US-20020126449-\$ or US-20030043546-\$ or US-20040008483-\$ or US-20040095721-\$ or US-20050068724-\$ or US-20050068728-\$ or US-20050122686-\$ or US-20050168938-\$ or US-20050168948-\$).did. or (US-6288897-\$ or US-6437980-\$ or US-6438984-\$ or US-6442024-\$ or US-6483699-\$ or US-6504718-\$ or US-6583989-\$ or US-6587343-\$ or US-6657121-\$ or US-6679081-\$ or US-6776221-\$ or US-6851925-\$ or US-6903930-\$ or US-6906919-\$ or US-6914779-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/17 09:43
S61	25	(US-20020117291-\$ or US-20020126449-\$ or US-20030043546-\$ or US-20040008483-\$ or US-20040095721-\$ or US-20050068724-\$ or US-20050068728-\$ or US-20050122686-\$ or US-20050168938-\$ or US-20050168948-\$).did. or (US-6288897-\$ or US-6437980-\$ or US-6438984-\$ or US-6442024-\$ or US-6483699-\$ or US-6504718-\$ or US-6583989-\$ or US-6587343-\$ or US-6657121-\$ or US-6679081-\$ or US-6776221-\$ or US-6851925-\$ or US-6903930-\$ or US-6906919-\$ or US-6914779-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/08/17 09:43
S62	9	S60 and 1U	US-PGPUB; USPAT	OR	OFF	2005/08/17 09:45

## EAST Search History

S63	9	S60 and 1U	US-PGPUB; USPAT	OR	OFF	2005/08/17 10:00
S64	1088	361/695 and control	US-PGPUB; USPAT	OR	OFF	2005/08/17 10:01
S65	35	361/695 and (thermalor cool\$4)adj control	US-PGPUB; USPAT	OR	OFF	2005/08/17 10:01
S66	190	361/699 and (flow near rate) and control	US-PGPUB; USPAT	OR	ON	2005/12/28 08:06
S67	10	((("6711904") or ("6234240") or ("5456081") or ("5731954") or ("5987893") or ("6196003") or ("6586835") or ("6658861") or ("6705089") or ("7022553")).PN.	USPAT	OR	OFF	2006/06/07 15:00
S68	68	361/699 and (peltier or tec)	US-PGPUB; USPAT	OR	ON	2006/06/07 15:18
S69	63	S68 not S67	US-PGPUB; USPAT	OR	ON	2006/06/07 15:01
S70	111	361/699 and (parallel with series)	US-PGPUB; USPAT	OR	ON	2006/06/07 15:19
S71	111	S70 not S67	US-PGPUB; USPAT	OR	ON	2006/06/07 15:19
S72	103	S71 not S68	US-PGPUB; USPAT	OR	ON	2006/06/07 15:19
S73	298	165/80.4 and fan and pump	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 16:01
S74	298	S73	US-PGPUB; USPAT	OR	OFF	2006/06/07 16:01
S75	1	("7120021").PN.	USPAT	OR	OFF	2007/01/16 08:25
S76	1	("20050052848").PN.	US-PGPUB	OR	OFF	2007/01/16 10:37
S77	15	(361/699 or 165/80.4)and Montgomery	USPAT	OR	OFF	2007/01/17 08:24
S78	365	(361/699 or 165/80.4)and (direct adj contact)	USPAT	OR	ON	2007/01/17 08:58
S79	938	(361/699 or 165/80.4)and (radiator or exchanger)	USPAT	OR	ON	2007/01/17 08:59
S80	801	S79 not S78	USPAT	OR	ON	2007/01/17 08:59

## EAST Search History

S81	68	(US-20050168948-\$ or US-20050128705-\$ or US-20050122686-\$ or US-20040160741-\$ or US-20040095721-\$ or US-20040008483-\$ or US-20040050231-\$ or US-20030147214-\$ or US-20050168938-\$ or US-20050068728-\$ or US-20050052848-\$ or US-20050068724-\$ or US-20020117291-\$ or US-20030209343-\$ or US-20050180105-\$ or US-20040190254-\$).did. or (US-6705089-\$ or US-6807056-\$ or US-6754076-\$ or US-6714412-\$ or US-6557354-\$ or US-6587343-\$ or US-6496367-\$ or US-6347661-\$ or US-5966957-\$ or US-5761035-\$ or US-5574627-\$ or US-5731954-\$ or US-6502628-\$ or US-5509468-\$ or US-6657121-\$ or US-5365749-\$ or US-5309319-\$ or US-6776221-\$ or US-6234240-\$ or US-6166907-\$ or US-5285347-\$ or US-6198629-\$ or US-6196003-\$ or US-6906919-\$ or US-6903930-\$ or US-6483699-\$). did. or (US-6327149-\$ or US-6011689-\$ or US-6438984-\$ or US-6679081-\$ or US-6519955-\$ or US-6711904-\$ or US-6658861-\$ or US-5333676-\$ or US-7022553-\$ or US-5987893-\$ or US-7024573-\$ or US-5823005-\$ or US-6973801-\$ or US-7012807-\$ or US-7055341-\$ or US-7050299-\$ or US-7120021-\$ or US-7032392-\$ or US-7021367-\$ or US-6894899-\$ or US-6771500-\$ or US-6501654-\$ or US-6019165-\$ or US-5818692-\$ or US-5021924-\$ or US-4949219-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/01/17 09:00
S82	785	S80 not S81	US-PGPUB; USPAT	OR	OFF	2007/01/17 09:41
S83	87	165/104.22 and pump and (inlet or outlet)	US-PGPUB; USPAT	OR	ON	2007/01/17 10:14
S84	122	"165"/\$7 and pump and ((inlet or outlet) adj (chamber or cavity)) and shaft	US-PGPUB; USPAT	OR	ON	2007/01/17 09:51
S85	6916	"165"/\$7 and pump and (inlet or outlet) and (exchanger or radiator)	US-PGPUB; USPAT	OR	ON	2007/01/17 09:52



## EAST Search History

S86	12	S85 and (input adj (cavity or chamber))	US-PGPUB; USPAT	OR	ON	2007/01/17 09:55
S87	12	S86 not S83	US-PGPUB; USPAT	OR	ON	2007/01/17 09:54
S88	4012	S85 not (tank or reservoir)	US-PGPUB; USPAT	OR	ON	2007/01/17 09:55
S89	228	S88 and impeller	US-PGPUB; USPAT	OR	ON	2007/01/17 09:55
S90	508	165/104.33 and pump and (inlet or outlet)	US-PGPUB; USPAT	OR	ON	2007/01/17 10:14
S91	60	S90 and impeller	US-PGPUB; USPAT	OR	ON	2007/01/17 10:14
S92	25	165/104.28 and pump and impeller	US-PGPUB; USPAT	OR	ON	2007/01/17 15:07
S93	33	165/104.28 and (impeller or propel\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 15:11
S94	8	S93 not S92	US-PGPUB; USPAT	OR	ON	2007/01/17 15:07
S95	37	165/104.31 and (impeller or propel\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 15:11
S96	28	S95 not S93	US-PGPUB; USPAT	OR	ON	2007/01/17 15:11
S97	2	"3609991".PN.	USPAT; USOCR	OR	OFF	2007/01/17 15:49
S10 8	1	(10/140609).APP.	USPAT; USOCR	OR	OFF	2007/06/03 19:01

## EAST Search History

S10 9	82	(US-20030147214-\$ or US-20040008483-\$ or US-20050168948-\$ or US-20050168938-\$ or US-20050122686-\$ or US-20050128705-\$ or US-20050052848-\$ or US-20040050231-\$ or US-20040095721-\$ or US-20040160741-\$ or US-20050068728-\$ or US-20050068724-\$ or US-20020117291-\$ or US-20030209343-\$ or US-20050180105-\$ or US-20040190254-\$ or US-20040035555-\$).did. or (US-6807056-\$ or US-6754076-\$ or US-5441102-\$ or US-5365749-\$ or US-6705089-\$ or US-6347661-\$ or US-6343478-\$ or US-5285347-\$ or US-6502628-\$ or US-5587880-\$ or US-6668911-\$ or US-5574627-\$ or US-6557354-\$ or US-6906919-\$ or US-6903930-\$ or US-6208512-\$ or US-5966957-\$ or US-6166907-\$ or US-6408937-\$ or US-5509468-\$ or US-6894899-\$ or US-6198629-\$ or US-6196003-\$ or US-6019165-\$ or US-6714412-\$ or US-5606341-\$). did. or (US-5731954-\$ or US-5309319-\$ or US-6496367-\$ or US-5818692-\$ or US-6657121-\$ or US-6501654-\$ or US-5761035-\$ or US-6360814-\$ or US-6327149-\$ or US-6011689-\$ or US-6483699-\$ or US-6519955-\$ or US-6679081-\$ or US-6438984-\$ or US-6776221-\$ or US-6711904-\$ or US-6658861-\$ or US-5823005-\$ or US-6587343-\$ or US-6973801-\$ or US-5333676-\$ or US-7022553-\$ or US-5987893-\$ or US-7012807-\$ or US-7050299-\$ or US-7032392-\$ or US-7021367-\$). did. or (US-7120021-\$ or US-7024573-\$ or US-7055341-\$ or US-5021924-\$ or US-4949219-\$ or US-7086247-\$ or US-6234240-\$ or US-6142222-\$ or US-5998863-\$ or US-5873253-\$ or US-6771500-\$ or US-3609991-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/09/11 16:30
S11 0	16	S109 and peltier	US-PGPUB; USPAT	OR	OFF	2007/09/11 16:32

## EAST Search History

S11 1	82	(US-20050180105-\$ or US-20050168948-\$ or US-20050168938-\$ or US-20050128705-\$ or US-20050068724-\$ or US-20050122686-\$ or US-20050068728-\$ or US-20040095721-\$ or US-20050052848-\$ or US-20040190254-\$ or US-20040008483-\$ or US-20040160741-\$ or US-20040050231-\$ or US-20040035555-\$ or US-20020117291-\$ or US-20030209343-\$ or US-20030147214-\$).did. or (US-7086247-\$ or US-7120021-\$ or US-7024573-\$ or US-7055341-\$ or US-7050299-\$ or US-7032392-\$ or US-6973801-\$ or US-7022553-\$ or US-7021367-\$ or US-6903930-\$ or US-7012807-\$ or US-6906919-\$ or US-6776221-\$ or US-6894899-\$ or US-6807056-\$ or US-6771500-\$ or US-6754076-\$ or US-6705089-\$ or US-6714412-\$ or US-6711904-\$ or US-6658861-\$ or US-6679081-\$ or US-6668911-\$ or US-6557354-\$ or US-6657121-\$ or US-6587343-\$). did. or (US-6501654-\$ or US-6496367-\$ or US-6519955-\$ or US-6483699-\$ or US-6438984-\$ or US-6502628-\$ or US-6360814-\$ or US-6347661-\$ or US-6408937-\$ or US-6234240-\$ or US-6198629-\$ or US-6196003-\$ or US-6343478-\$ or US-6327149-\$ or US-6019165-\$ or US-6208512-\$ or US-5998863-\$ or US-5987893-\$ or US-6166907-\$ or US-6142222-\$ or US-5823005-\$ or US-5818692-\$ or US-6011689-\$ or US-5966957-\$ or US-5731954-\$ or US-5606341-\$ or US-5873253-\$). did. or (US-5574627-\$ or US-5509468-\$ or US-5761035-\$ or US-5441102-\$ or US-5365749-\$ or US-5587880-\$ or US-5285347-\$ or US-3609991-\$ or US-5333676-\$ or US-5309319-\$ or US-5021924-\$ or US-4949219-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/11/28 10:43
S11 3	50	S111 not (tank or reservoir)	US-PGPUB; USPAT	OR	OFF	2007/11/28 10:47

## EAST Search History

S11 4	31	S113 and pump	US-PGPUB; USPAT	OR	OFF	2007/11/28 10:47
S11 5	1	(10/675628).APP.	USPAT; USOCR	OR	OFF	2007/11/28 10:51